



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/700,344

11/03/2003

Andrew L. Cote SR.

1600/163

5277

2101 7590 06/12/2007
BROMBERG & SUNSTEIN LLP
125 SUMMER STREET
BOSTON, MA 02110-1618

EXAMINER

MACNEILL, ELIZABETH

ART UNIT

PAPER NUMBER

3767

MAIL DATE

DELIVERY MODE

06/12/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/700,344

Applicant(s)

COTE ET AL.

Examiner

Elizabeth R. MacNeill

Art Unit

3767

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-7,10-13,16-24,37,38,40-47,49,63-75 and 77-92 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-7,10-13,16-24,37,38,40-47,49,63-75 and 77-92 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☒ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 16 January 2007 has been entered.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1,4-7,10-13,16-24,37-38, 40-47, 49, 63-75 and 77-92 are rejected under 35 U.S.C. 102(b) as being anticipated by CLOYD (US #3,806,086).

Regarding claim 1, Cloyd teaches a housing (10), having an inlet (9) and outlet (8); a plug member (14); a flexible gland member (18) wherein the gland member has a seal section (Fig 2, inlet portion), being aligned with the exterior inlet face of the housing to provide a swabbable surface (See Fig 2); wherein the plug member comprises a cannula (92, 94) that defines a channel (25) for directing fluid through the valve (See Fig 2)

Regarding claims 4-7, 18-21,77,78, and 83-86 the plug member is moveable between an open and closed position, which prevents fluid flow when the valve is closed by

Art Unit: 3767

occluding the passageway, and allows fluid flow when the passage is open

(unoccluded) (See Fig 2 and Fig 3)

Regarding claims 10, 22, 79, and 87 the plug member is rigid (Col 2 line 26) Regarding

claims 11, 23, 80, 88 and 91 the plug member's longitudinal axis is parallel to the

direction of the motion of the plug (Fig 2 and 3)

Regarding claim 12, 81, 89 and 92 the plug member is substantially within the gland

member (Fig 2)

Regarding claim 13, Cloyd teaches a housing (10), having an inlet (9) and outlet (8); a

plug member (14); a flexible gland member (18) wherein the gland member has a seal

section (Fig 2, inlet portion), being aligned with the exterior inlet face of the housing to

provide a swabbable surface (See Fig 2); Wherein the plug member is capable of

telescopically moving relative to the gland member. (See Fig 2 and 3). Examiner takes

"telescopically moving" to mean slideably, which can be seen in the construction of the

plug member relative to the gland member. Regarding claims 16 and 75, the plug

member defines a channel (25) for directing fluid through the valve.

Regarding claim 17, the plug member is a cannula (25)

Regarding claim 24, the gland member is secured to the housing and supports the plug

member within the housing (Fig 2)

Regarding claim 74, Cloyd teaches a housing (10), having an inlet (9) and outlet (8); a

plug member (14) moveably mounted within the passageway, wherein the plug member

is movable between an open and closed position (Fig 2 and 3), and plug member being

a cannula (25); a flexible gland member (18) wherein the gland member is secured to

Art Unit: 3767

the housing and supports the plug member within the housing (Fig 2), and the gland occludes the opening (Fig 2), the gland member has a seal section (Fig 2, inlet portion), being aligned with the exterior inlet face of the housing to provide a swabbable surface (See Fig 2)

Regarding claim 82, Cloyd teaches a housing (10), having an inlet (9) and outlet (8); a rigid plug member (14) moveably mounted within the passageway; a flexible gland member (18) wherein the gland member is secured to the housing and supports the plug member within the housing (Fig 2) and the gland member has a seal section (Fig 2, inlet portion), being aligned with the exterior inlet face of the housing to provide a swabbable surface (See Fig 2); wherein the plug member defines a channel (25) for directing fluid through the valve.

Regarding claim 90, Cloyd teaches a housing (10), having an inlet (9) and outlet (8); a rigid plug member (14) moveably mounted within the passageway; a flexible gland member (18) wherein the gland member is secured to the housing and supports the plug member within the housing (Fig 2) and the gland member has a seal section (Fig 2, inlet portion), being aligned with the exterior inlet face of the housing to provide a swabbable surface (See Fig 2); wherein the plug member is movable between an open and closed position (Fig 2 and 3); providing a portion of unoccluded fluid path through the valve.

Regarding claims 37,38,40-47,49, and 63-73, Cloyd teaches a housing (10), having an inlet (9) and outlet (8); a rigid plug member (14) moveably mounted within the passageway; a flexible gland member (18) wherein the gland member is secured to the

Art Unit: 3767

housing and supports the plug member within the housing (Fig 2), the plug member having an opening (25), wherein the gland member normally occludes the opening (Fig 2).

Response to Arguments

3. Applicant's arguments filed 16 January 2007 have been fully considered but they are not persuasive. Regarding Cloyd as applied to claims 1,4-7,10-13,16-24,74, and 77-are 92, applicant has argued that Cloyd does not disclose a "medical valve with a seal section that is substantially aligned with the exterior inlet face." In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., the seal member being swabbable) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181,26 USPQ2d 1057 (Fed. Cir. 1993). The applicant has claimed that (1) the seal section is substantially aligned with the exterior inlet face and (2) that when the valve is closed, a swabbable surface is provided. The first limitation is met as shown in Figure 2, where the seal section is aligned axially with the inlet face (the inlet face is a flat disc, and the seal section is found along the center line of the disc). The applicant has not claimed an axis or dimensional relationship regarding the desired alignment between the inlet face and the seal. Therefore, any "alignment" will meet the claim language. Regarding the second limitation, the language of the claim does not require that the seal member is swabbable, rather only that any surface is provided when the valve is closed which can

Art Unit: 3767

be swabbed. Clearly, the exterior inlet face, and the entire body of the face can be swabbed in Fig 2. Therefore, Cloyd meets the claimed limitations and the USC 102 (b) rejection is maintained.

Finally, regarding applicant's use of the word "cannula" in the claims, the examiner gives no special definition or interpretation to this word because the definition of a cannula is "a small tube inserted into the body of a patient." To one of ordinary skill in the art, the examiner believes that the plug member (14) would meet this definition since the definition gives no specific structures to the element.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth R. MacNeill whose telephone number is (571)-272-9970. The examiner can normally be reached on 7:00-3:30pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Sirmons can be reached on (571)272-4965. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business

Art Unit: 3767

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin C. Sirmons

KEVIN C. SIRMONS
SUPERVISORY PATENT EXAMINER

Kevin C. Sirmons